BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAAPURA

***Name of Work**: Modified Estimate for IMPROVEMENTS OF ROADS DRAINS AND CULVERTS IN WARD NO 10 (DODDABOMMASANDRA).*

Job Code: 010-21-000005

Estimated Cost: Rs. 100.00 Lakhs
Approved Cost: Rs. 93.65 Lakhs
Modified Cost: Rs. 93.64 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

ame of the work: Modified Estimate for IMPROVEMENTS OF ROADS DRAINS AND CULVERTS IN ARD NO 10 (DODDABOMMASANDRA)

010-21-000005	P-3798					Estimate Cost:	9364688.00	
Description	Unit	No.	L	B	D	Qty	Rate	Amount
KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **Page No. 143 / Item No. 19.1, PWD SR 2018-19**	Cum							
For Drain Desilting								
2nd Main Road (w0409)		1	335.00	0.45	0.45	67.84		
1st Cross (w0411)		1	97.50	0.45	0.45	19.74		
2nd Cross (w0346)		1	155.80	0.45	0.45	31.55		
3rd Cross (w0348)		2	164.70	0.45	0.45	66.70		
5th Cross (w0352)		1	125.80	0.45	0.45	25.47		
Main Road (w0356)		1	427.00	0.45	0.45	86.47		
Berm Cutting								
2nd Main Road (w0409)		1	335.00	0.60	0.15	30.15		
1st Cross (w0411)		1	97.50	0.60	0.15	8.78		
2nd Cross (w0346)		1	155.80	0.60	0.15	14.02		
3rd Cross (w0348)		2	164.70	0.60	0.15	29.65		
5th Cross (w0352)		1	125.80	0.60	0.15	11.32		
Main Road (w0356)		1	330.00	0.60	0.15	29.70		
						421.39	243.00	**102398.00**
Removing and refixing stone slabs of drains and pointing in CM (1:3) **Page No. 27 / Item No. 5.33 PWD SR 2018-**	Sqm							
Nagaland Colony								
2nd Main Road (w0409)		1	335.00		1.80	603.00		
1st Cross (w0411)		1	97.50		1.80	175.50		
2nd Cross (w0346)		1	155.80		1.80	280.44		
3rd Cross (w0348)		2	164.70		1.80	592.92		
5th Cross (w0352)		1	125.80		1.80	226.44		
Total Qty						**1878.30**		
Consider 50% of the Total Qty						**939.15**	111.00	**104246.00**
KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 5km lead= (I No-19.14,P No-143)	Cum							
Road Cut Portion								
Nagaland Colony								
2nd Main Road (w0409)								
		1	10.00	1.20	0.23	2.76		
		2	25.00	1.05	0.23	12.08		
		3	9.00	0.90	0.23	5.59		
		1	50.00	5.50	0.23	63.25		
1st Main Road (W0413)								
		1	12.00	0.80	0.23	2.21		
		2	6.00	1.30	0.23	3.59		
		2	20.00	1.00	0.23	9.20		
		1	60.00	5.00	0.23	69.00		
1st Cross (W0411)								
		1	10.00	1.20	0.23	2.76		

Description	Unit	No.	L	B	D	Qty	Rate	Amount
		1	25.00	1.50	0.23	8.63		
		1	30.00	5.50	0.23	37.95		
2nd Cross (W0346)								
		1	20.00	1.60	0.23	7.36		
		2	10.00	1.20	0.23	5.52		
		1	15.00	0.50	0.23	1.73		
		1	35.00	5.50	0.23	44.28		
3rd Cross (W0348)								
		1	15.00	1.00	0.23	3.45		
		1	18.00	0.90	0.23	3.73		
		1	12.00	1.50	0.23	4.14		
		1	45.00	5.50	0.23	56.93		
4th Cross (W0350)								
		1	11.00	1.30	0.23	3.29		
		1	16.00	1.10	0.23	4.05		
		2	6.00	2.10	0.23	5.80		
		1	60.00	5.50	0.23	75.90		
5th Cross (W0352)								
		1	6.00	1.30	0.23	1.79		
		1	10.00	1.00	0.23	2.30		
		1	15.00	0.50	0.23	1.73		
		1	35.00	5.00	0.23	40.25		
Cross Road (W0417)								
		1	15.00	0.50	0.23	1.73		
		1	10.00	0.90	0.23	2.07		
		1	6.00	1.60	0.23	2.21		
		1	8.00	1.10	0.23	2.02		
6th Cross (W0354)								
		1	20.00	1.50	0.23	6.90		
		1	14.00	2.00	0.23	6.44		
		1	6.00	1.80	0.23	2.48		
		1	19.00	0.90	0.23	3.93		
		2	10.00	1.00	0.23	4.60		
Main Road (W0356)								
		1	26.00	1.60	0.23	9.57		
		1	15.00	1.10	0.23	3.80		
		1	10.00	0.90	0.23	2.07		
		1	9.00	2.00	0.23	4.14		
		1	16.00	0.75	0.23	2.76		
		1	12.00	1.30	0.23	3.59		
		1	10.00	0.45	0.23	1.04		
Total Qty						**538.57**		
Qty upto 125%						**188.78**	56.00	**10571.00**
Qty above 125%						**349.79**	59.01	**20642.00**
Basic Rate	41.00							
Area Weightage @ 6%	2.46							
5Km Lead = (2*1.28*5)	12.80							
Total	**56.26**							
Tender Premium @ +4.89%	**2.75**							
	59.01							
KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 **Page No. 155 / Item No. 20.18, PWD SR 2018-19**	Cum							
Road Cut Portion								
Nagaland Colony								
2nd Main Road (w0409)								

Description	Unit	No.	L	B	D	Qty	Rate	Amount
		1	10.00	1.20	0.23	2.76		
		2	25.00	1.05	0.23	12.08		
		3	9.00	0.90	0.23	5.59		
		1	50.00	5.50	0.23	63.25		
1st Main Road (W0413)								
		1	12.00	0.80	0.23	2.21		
		2	6.00	1.30	0.23	3.59		
		2	20.00	1.00	0.23	9.20		
		1	60.00	5.00	0.23	69.00		
1st Cross (W0411)								
		1	10.00	1.20	0.23	2.76		
		1	25.00	1.50	0.23	8.63		
		1	30.00	5.50	0.23	37.95		
2nd Cross (W0346)								
		1	20.00	1.60	0.23	7.36		
		2	10.00	1.20	0.23	5.52		
		1	15.00	0.50	0.23	1.73		
		1	35.00	5.50	0.23	44.28		
3rd Cross (W0348)								
		1	15.00	1.00	0.23	3.45		
		1	18.00	0.90	0.23	3.73		
		1	12.00	1.50	0.23	4.14		
		1	45.00	5.50	0.23	56.93		
4th Cross (W0350)								
		1	11.00	1.30	0.23	3.29		
		1	16.00	1.10	0.23	4.05		
		2	6.00	2.10	0.23	5.80		
		1	60.00	5.50	0.23	75.90		
5th Cross (W0352)								
		1	6.00	1.30	0.23	1.79		
		1	10.00	1.00	0.23	2.30		
		1	15.00	0.50	0.23	1.73		
		1	35.00	5.00	0.23	40.25		
Cross Road (W0417)								
		1	15.00	0.50	0.23	1.73		
		1	10.00	0.90	0.23	2.07		
		1	6.00	1.60	0.23	2.21		
		1	8.00	1.10	0.23	2.02		
6th Cross (W0354)								
		1	20.00	1.50	0.23	6.90		
		1	14.00	2.00	0.23	6.44		
		1	6.00	1.80	0.23	2.48		
		1	19.00	0.90	0.23	3.93		
		2	10.00	1.00	0.23	4.60		
Main Road (W0356)								
		1	26.00	1.60	0.23	9.57		
		1	15.00	1.10	0.23	3.80		
		1	10.00	0.90	0.23	2.07		
		1	9.00	2.00	0.23	4.14		
		1	16.00	0.75	0.23	2.76		
		1	12.00	1.30	0.23	3.59		
		1	10.00	0.45	0.23	1.04		
Total Qty						**538.57**		

Description	Unit	No.	L	B	D	Qty	Rate	Amount
Qty upto 125%						**188.78**	2001.00	**377739.00**
Qty above 125%						**349.79**	2099.14	**734265.00**
Basic Rate	1888.00							
Area Weightage @ 6%	113.28							
Total	**2001.28**							
Tender Premium @ +4.89%	**97.86**							
	2099.14							
KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502 **Page No. 158 / Item No. 21.6, PWD SR 2018-19**	Sqm							
Road Cut Portion								
Nagaland Colony								
2nd Main Road (w0409)								
		1	10.00	1.20		12.00		
		2	25.00	1.05		52.50		
		3	9.00	0.90		24.30		
		1	50.00	5.50		275.00		
1st Main Road (W0413)								
		1	12.00	0.80		9.60		
		2	6.00	1.30		15.60		
		2	20.00	1.00		40.00		
		1	60.00	5.00		300.00		
1st Cross (W0411)								
		1	10.00	1.20		12.00		
		1	25.00	1.50		37.50		
		1	30.00	5.50		165.00		
2nd Cross (W0346)								
		1	20.00	1.60		32.00		
		2	10.00	1.20		24.00		
		1	15.00	0.50		7.50		
		1	35.00	5.50		192.50		
3rd Cross (W0348)								
		1	15.00	1.00		15.00		
		1	18.00	0.90		16.20		
		1	12.00	1.50		18.00		
		1	45.00	5.50		247.50		
4th Cross (W0350)								
		1	11.00	1.30		14.30		
		1	16.00	1.10		17.60		
		2	6.00	2.10		25.20		
		1	60.00	5.50		330.00		
5th Cross (W0352)								
		1	6.00	1.30		7.80		
		1	10.00	1.00		10.00		
		1	15.00	0.50		7.50		
		1	35.00	5.00		175.00		
Cross Road (W0417)								
		1	15.00	0.50		7.50		
		1	10.00	0.90		9.00		
		1	6.00	1.60		9.60		

Description	Unit	No.	L	B	D	Qty	Rate	Amount
		1	8.00	1.10		8.80		
6th Cross (W0354)								
		1	20.00	1.50		30.00		
		1	14.00	2.00		28.00		
		1	6.00	1.80		10.80		
		1	19.00	0.90		17.10		
		2	10.00	1.00		20.00		
Main Road (W0356)								
		1	26.00	1.60		41.60		
		1	15.00	1.10		16.50		
		1	10.00	0.90		9.00		
		1	9.00	2.00		18.00		
		1	16.00	0.75		12.00		
		1	12.00	1.30		15.60		
		1	10.00	0.45		4.50		
Total Qty						**2341.60**		
Nagaland Colony								
2nd Main Road (w0409)		1	335.00	6.50		2177.50		
1st Main Road (w0413)		1	181.10	7.00		1267.70		
1st Cross (w0411)		1	97.50	6.00		585.00		
2nd Cross (w0346)		1	155.80	6.50		1012.70		
3rd Cross (w0348)		1	164.70	5.50		905.85		
4th Cross (w0350)		1	125.40	5.50		689.70		
5th Cross (w0352)		1	125.80	5.50		691.90		
Cross Road (w0417)		1	179.70	5.50		988.35		
6th Cross (w0354)		1	205.40	5.50		1129.70		
Main Road (w0356)		1	427.00	7.00		2989.00		
				Total		**12437.40**		
Consider 25%						3109.35		
Total Qty						**5450.95**		
Qty upto 125%						**4707.44**	29.00	**136516.00**
Qty above 125%						**743.51**	35.58	**26453.00**
Revised Rate 02-11-2021 Basic Rate	32.00							
Area Weightage @ 6%	1.92							
Total	**33.92**							
Tender Premium @ +4.89%	**1.66**							
	35.58							
KSRRB 500-11. Providing and laying **bituminous macadam** on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixd material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications. MORTH /Chapter 5 - using **40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 3.3 % VG-30 Bitumen Page No. 159 / Item No. 21.11.6, PWD SR 2018-19**	Cum								
Road Cut Portion								
Nagaland Colony								

Description	Unit	No.	L	B	D	Qty	Rate	Amount
2nd Main Road (w0409)								
		1	10.00	1.20	0.05	0.60		
		2	25.00	1.05	0.05	2.63		
		3	9.00	0.90	0.05	1.22		
		1	50.00	5.50	0.05	13.75		
1st Main Road (W0413)								
		1	12.00	0.80	0.05	0.48		
		2	6.00	1.30	0.05	0.78		
		2	20.00	1.00	0.05	2.00		
		1	60.00	5.00	0.05	15.00		
1st Cross (W0411)								
		1	10.00	1.20	0.05	0.60		
		1	25.00	1.50	0.05	1.88		
		1	30.00	5.50	0.05	8.25		
2nd Cross (W0346)								
		1	20.00	1.60	0.05	1.60		
		2	10.00	1.20	0.05	1.20		
		1	15.00	0.50	0.05	0.38		
		1	35.00	5.50	0.05	9.63		
3rd Cross (W0348)								
		1	15.00	1.00	0.05	0.75		
		1	18.00	0.90	0.05	0.81		
		1	12.00	1.50	0.05	0.90		
		1	45.00	5.50	0.05	12.38		
4th Cross (W0350)								
		1	11.00	1.30	0.05	0.72		
		1	16.00	1.10	0.05	0.88		
		2	6.00	2.10	0.05	1.26		
		1	60.00	5.50	0.05	16.50		
5th Cross (W0352)								
		1	6.00	1.30	0.05	0.39		
		1	10.00	1.00	0.05	0.50		
		1	15.00	0.50	0.05	0.38		
		1	35.00	5.00	0.05	8.75		
Cross Road (W0417)								
		1	15.00	0.50	0.05	0.38		
		1	10.00	0.90	0.05	0.45		
		1	6.00	1.60	0.05	0.48		
		1	8.00	1.10	0.05	0.44		
6th Cross (W0354)								
		1	20.00	1.50	0.05	1.50		
		1	14.00	2.00	0.05	1.40		
		1	6.00	1.80	0.05	0.54		
		1	19.00	0.90	0.05	0.86		
		2	10.00	1.00	0.05	1.00		
Main Road (W0356)								
		1	26.00	1.60	0.05	2.08		
		1	15.00	1.10	0.05	0.83		
		1	10.00	0.90	0.05	0.45		
		1	9.00	2.00	0.05	0.90		
		1	16.00	0.75	0.05	0.60		
		1	12.00	1.30	0.05	0.78		
		1	10.00	0.45	0.05	0.23		
				Total		**117.08**		

Description	Unit	No.	L	B	D	Qty	Rate	Amount
Nagaland Colony								
2nd Main Road (w0409)		1	335.00	6.50	0.05	108.88		
1st Main Road (w0413)		1	181.10	7.00	0.05	63.39		
1st Cross (w0411)		1	97.50	6.00	0.05	29.25		
2nd Cross (w0346)		1	155.80	6.50	0.05	50.64		
3rd Cross (w0348)		1	164.70	5.50	0.05	45.29		
4th Cross (w0350)		1	125.40	5.50	0.05	34.49		
5th Cross (w0352)		1	125.80	5.50	0.05	34.60		
Cross Road (w0417)		1	179.70	5.50	0.05	49.42		
6th Cross (w0354)		1	205.40	5.50	0.05	56.49		
Main Road (w0356)		1	427.00	7.00	0.05	149.45		
				Total		**621.87**		
Consider 25%						**155.47**		
Total Qty						**272.55**		
Qty upto 125%						**235.38**	5227.00	**1230305.00**
Qty above 125%						**37.17**	7097.95	**263848.00**
Revised Rate 02-11-2021 Basic Rate	6384.00							
Area Weightage @ 6%	383.04							
Total	**6767.04**							
Tender Premium @ +4.89%	**330.91**							
	7097.95							
KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501 **Page No. 158 / Item No. 21.2, PWD SR 2018-19**	Sqm							
Nagaland Colony								
2nd Main Road (w0409)		1	335.00	6.50		2177.50		
1st Main Road (w0413)		1	181.10	7.00		1267.70		
1st Cross (w0411)		1	97.50	6.00		585.00		
2nd Cross (w0346)		1	155.80	6.50		1012.70		
3rd Cross (w0348)		1	164.70	5.50		905.85		
4th Cross (w0350)		1	125.40	5.50		689.70		
5th Cross (w0352)		1	125.80	5.50		691.90		
Cross Road (w0417)		1	179.70	5.50		988.35		
6th Cross (w0354)		1	205.40	5.50		1129.70		
Main Road (w0356)		1	427.00	7.00		2989.00		
Total Qty						**12437.40**	5.00	**62187.00**
KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5 **Page No. 158 / Item No. 21.7 PWD**	Sqm							
		Qty Vide Item No. 7				12437.40		
						12437.40	12.00	**149249.00**

Description	Unit	No.	L	B	D	Qty	Rate	Amount
KSRRB M500-19. Providing and laying **bituminous concrete 40 mm thick** with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - **using 40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % VG-30 Bitumen Page No. 162 / Item No. 21.22.6, PWD SR 2018-19**	Cum							
Nagaland Colony								
2nd Main Road (w0409)		1	335.00	6.50	0.040	87.10		
1st Main Road (w0413)		1	181.10	7.00	0.040	50.71		
1st Cross (w0411)		1	97.50	6.00	0.040	23.40		
2nd Cross (w0346)		1	155.80	6.50	0.040	40.51		
3rd Cross (w0348)		1	164.70	5.50	0.040	36.23		
4th Cross (w0350)		1	125.40	5.50	0.040	27.59		
5th Cross (w0352)		1	125.80	5.50	0.040	27.68		
Cross Road (w0417)		1	179.70	5.50	0.040	39.53		
6th Cross (w0354)		1	205.40	5.50	0.040	45.19		
Main Road (w0356)		1	427.00	7.00	0.040	119.56		
						497.50	8000.00	**3979968.00**
KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 **Page No. 182, Item No. 24.15 PWD SR 2018-19**	Sqm							
Nagaland Colony								
2nd Main Road (w0409)		2	335.00	0.10		67.00		
1st Main Road (w0413)		2	181.10	0.10		36.22		
0								
1st Cross (w0411)		2	97.50	0.10		19.50		
2nd Cross (w0346)		2	155.80	0.10		31.16		
3rd Cross (w0348)		2	164.70	0.10		32.94		
4th Cross (w0350)		2	125.40	0.10		25.08		
5th Cross (w0352)		2	125.80	0.10		25.16		
Cross Road (w0417)		2	179.70	0.10		35.94		
6th Cross (w0354)		2	205.40	0.10		41.08		
Main Road (w0356)		2	427.00	0.10		85.40		
						399.48	500.00	**199740.00**

	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	KSRR 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No. 4.5 of PWD SR 2018-19)	Cum							
			1	86.00	0.30	0.30	**7.74**	5647.00	**43708.00**
2	KSRRB M800-20.Tubular Steel Railing on Medium Weight Steel Channel (ISMC Series) 100 mm x 50mm:-Providing, fixing and erecting 50 mm dia steel pipe railing in 3 rows duly painted on medium weight steel channels (ISMC series) 100 mm x 50 mm, 1.2 metres high above ground, 2 m centre to centre, complete as per approved drawings as per specifications. MORTH Specification No. 808 (Item No 24.24 page no 184)	m							
			1	86.00			**86.00**	1511.00	**129946.00**
3	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (Page No.180. litem no.24.1 of KPWD S.R Bangalore Circle 2018-2019)	Sqm							
			1	86.00		1.80	**154.80**	84.00	**13003.00**
4	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications (P.No-161,I No-21.7)	Sqm							
			1	915.00	5.50		5032.50		
							5032.50	15.50	**78004.00**
5	Providing and laying Bituminous Concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment , rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications.Clause 507 of MORTH V revision as per IRC SP-53-2015 - using 40-60 TPH capacity HMP with mechanical Paver, Gr-II (30-45mm) with 5.4 % of modified bitumen binder consisting of 4.97% VG- 30 bitumen (60/70 grade) 0.43% Plastomeric Thermoplastics (Waste plastic Additive). (P.No-171I No-21.78.12)	Sqm							
			1	915.00	5.50	0.04	201.30		
							201.30	8000.00	**1610400.00**

Description	Unit	No.	L	B	D	Qty	Rate	Amount
KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803(P.No-182,I No-24.15)	Sqm							
		2	915.00	0.10		183.00		
						183.00	500.00	**91500.00**
							Total	**9364688.00**

Rupees Ninety Three Lakh(s) Sixty Four Thousand Six Hundred Eighty Eight Only

ERTIFICATE:

The work spot has been inspected and the work is found necessary.

This estimate is prepared as per PWD SR of 2018-19 +/- Tender Premium.

The provisions were made in this estimate are necessary and adequate.

This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Technical Sanction
Accorded For RS 9364688.00
Head of A/C D3798
CER NO : 74 Dt: 06.12.2022